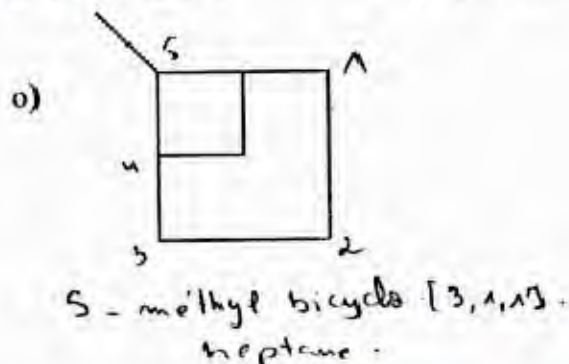
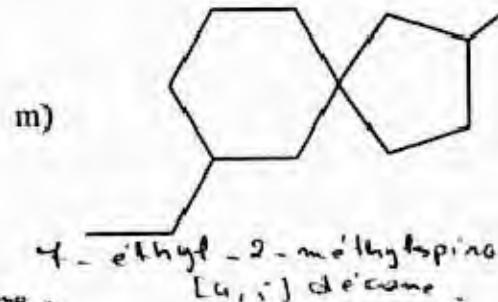
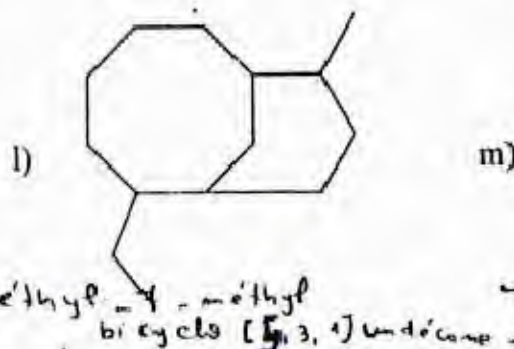
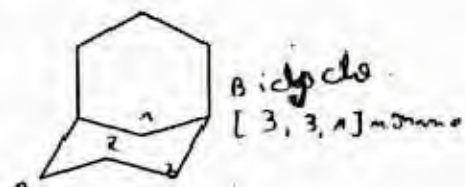
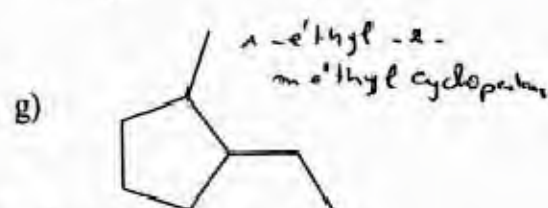
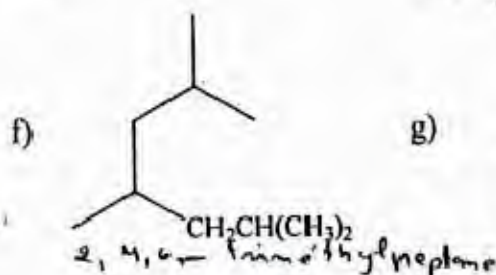
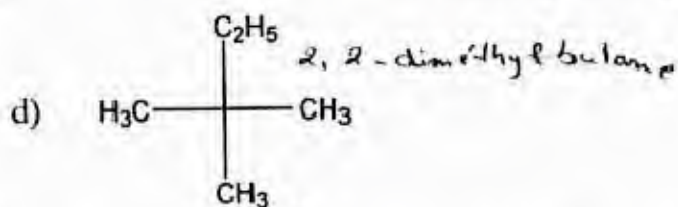
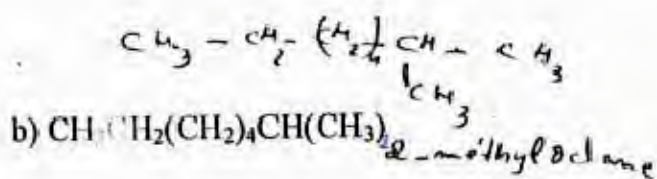
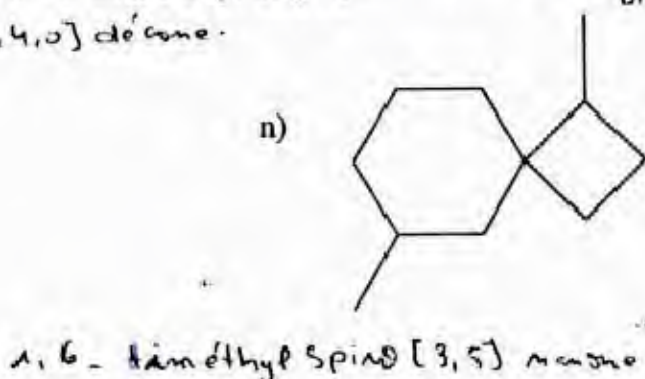
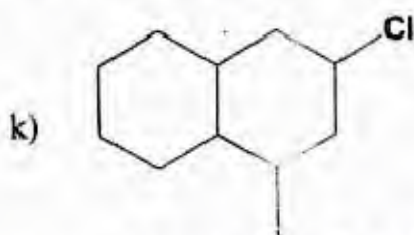
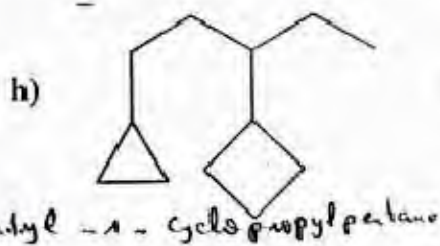
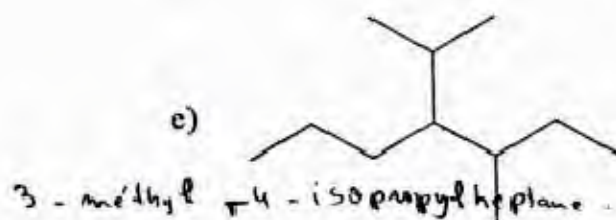
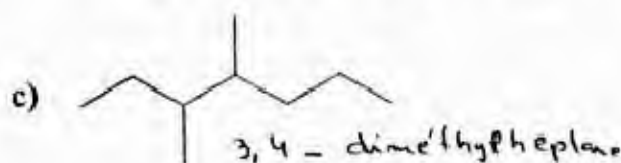
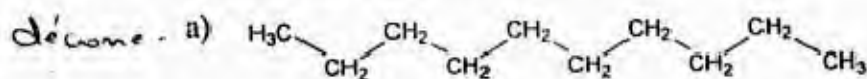


Chimie Organique

Série n°2

Exercice 1:

Nommer les composés suivants :



Exercice 2:

Ecrire les formules semi-développées des composés organiques suivants:

- 1) Méthylpropane.
- 2) 2-éthyl-2,3-diméthyloctane.
- 3) 1,3-dichlorocyclobutane.
- 4) 1-bromo-2,4-dichlorocyclohexane.
- 5) 4-éthyl-2,2,4-triméthylheptane.

Exercice 3:

Donner les noms et les formules semi-développées de 5 des isomères de l'alcane de formule brute C_7H_{16} .

Exercice 4:

Donner les noms et les formules semi-développées des alcènes suivants :

- 1) C_2H_4
- 2) C_3H_6
- 3) C_4H_8 (il y a quatre possibilités).

Exercice 5:

Ecrire la formule semi-développée des composés suivants :

- 1) But-1-ène
- 2) 2-méthylbut-1-ène
- 3) 3,4-diméthylpent-2-ène
- 4) 3-éthyl-2-méthylpent-2-ène
- 5) (E) pent-2-ène
- 6) (Z) 2,5-diméthylhex-3-ène

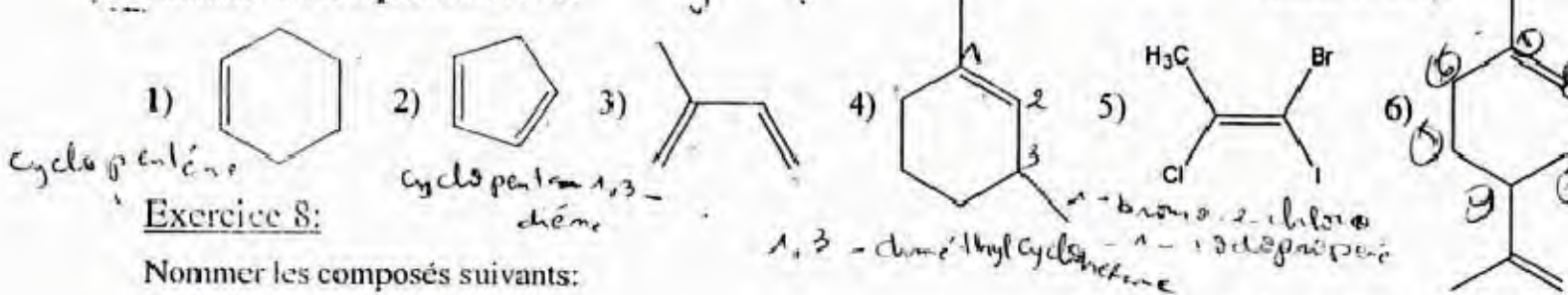
Exercice 6:

Ecrire les formules semi-développées de tous les isomères correspondant aux formules brutes suivantes :

- 1) C_3H_9N
- 2) C_3H_6O
- 3) C_3H_4

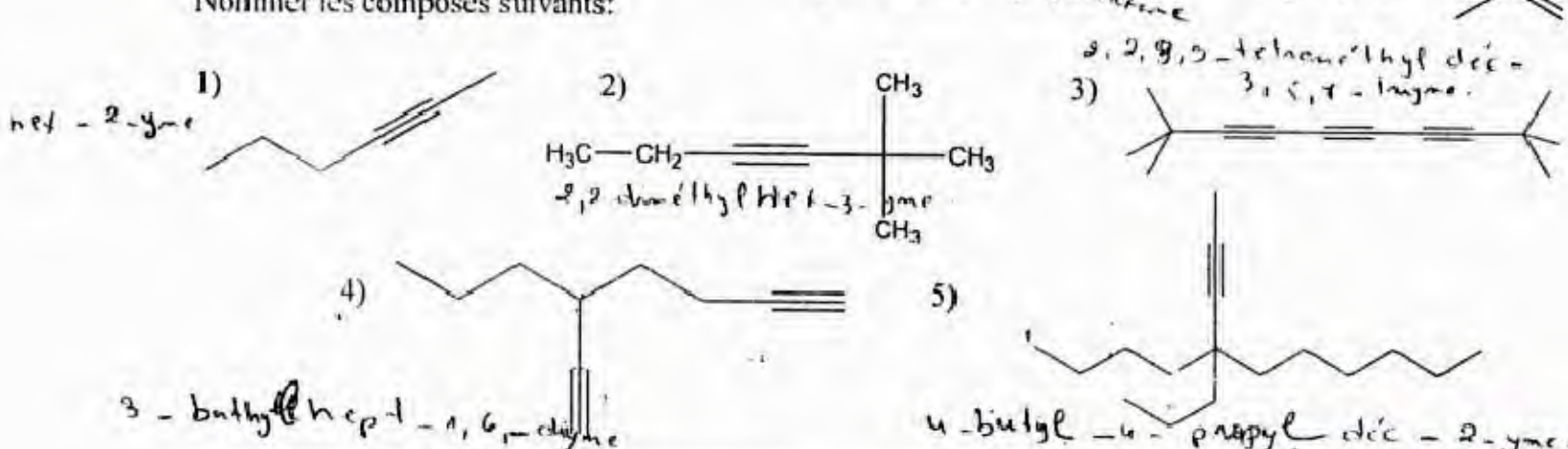
Exercice 7:

Nommer les composés suivants:



Exercice 8:

Nommer les composés suivants:

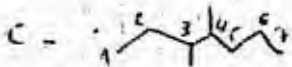


Série n = 2:

Exo 1:

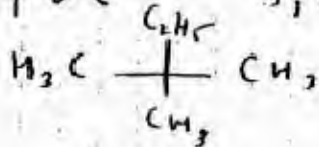
a - Décane

b - 2-méthyl octane.



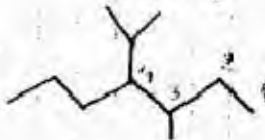
3,4 - diméthyl heptane.

d -



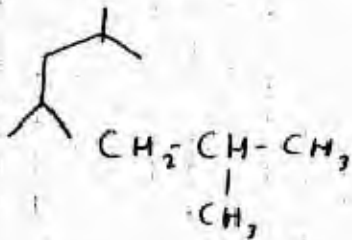
2,2 - diméthyl butane.

e -



3 - diméthyl - 4 - isopropyl heptane.

f -



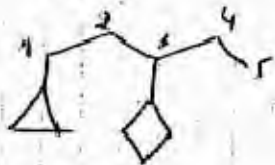
2,4,6 - triméthyl heptane.

g -



1 - éthyl - 2 - méthyl cyclopentane.

h -



3 - cyclobutyl - 1 - cyclopropyl pentane.

i -



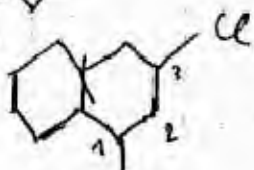
1,4 - diméthyl cyclohexane.

j -



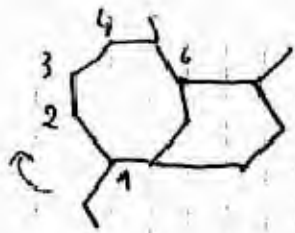
Bicyclo [3,3,1] nonane.

k)



3 - chloro - 1 - méthyl bicyclo [4,4,0] décane.

c -



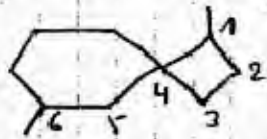
1-éthyl-7 méthyl bicyclo [5,3,1]
un décané

m =
Spira



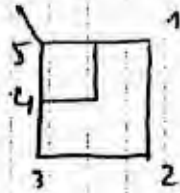
7-éthyl-2- méthyl spira [4,5]
décane.

n -



4,6- diméthyl spira [3,5] nonane.

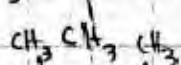
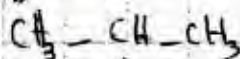
c -



5- méthyl bicyclo [3,1,1] héptane.

EXO 2

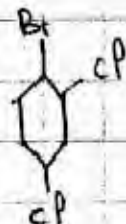
1) $\text{N}^{\text{H}}\text{P}$ propane



2)



4)



5)

$$\text{CH}_3 - \begin{array}{c} \text{CH}_3 \\ | \\ \text{C} \\ | \\ \text{CH}_3 \end{array} - \text{CH}_2 - \begin{array}{c} \text{CH}_3 \\ | \\ \text{C} \\ | \\ \text{CH}_3 \end{array} - \text{CH}_2 - \text{CH}_2 - \text{CH}_3$$

EXO 3:

C_7H_{16}

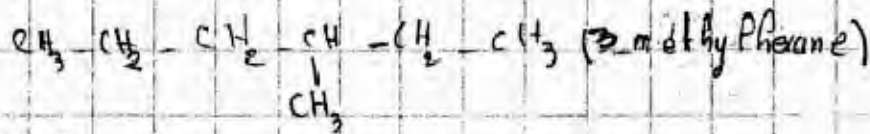
$\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \text{CH}_2 - \text{CH}_2 - \text{CH}_2 - \text{CH}_3$ heptane.

$\text{CH}_3 - \text{CH}_2 - \text{CH}_2 - \text{CH}_2 - \underset{\text{CH}_3}{\text{CH}} - \text{CH}_3$ 2-methylhexane.

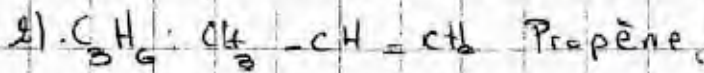
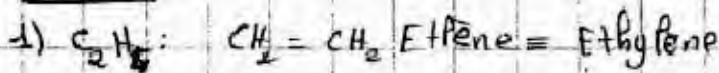
$\text{CH}_3 - \underset{\text{CH}_3}{\text{C}} - \text{CH}_2 - \text{CH}_2 - \text{CH}_3$ 2,2-dimethylpentane.

$\text{CH}_3 - \text{CH}_2 - \underset{\text{CH}_3}{\text{C}} - \text{CH}_2 - \text{CH}_3$ 3,3-dimethylpentane.

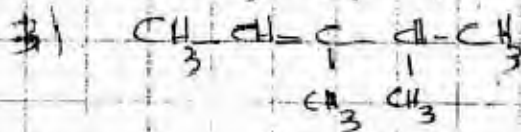
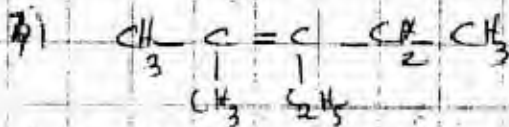
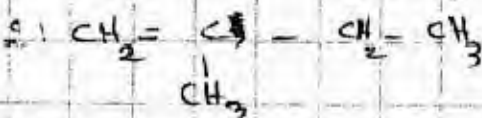
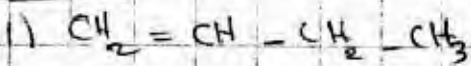
$\text{CH}_3 - \text{CH}_2 - \underset{\text{CH}_3}{\text{CH}} - \underset{\text{CH}_3}{\text{CH}} - \text{CH}_3$ 2,3-dimethylpentane.



EX04




EX05




EX07

1) Cyclohexène

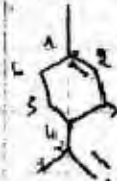
2) Cyclopenta-1,3-diène

3)  2-méthylbuta-1,3-diène

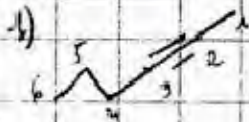
4)  1,2-diméthylcyclohexène



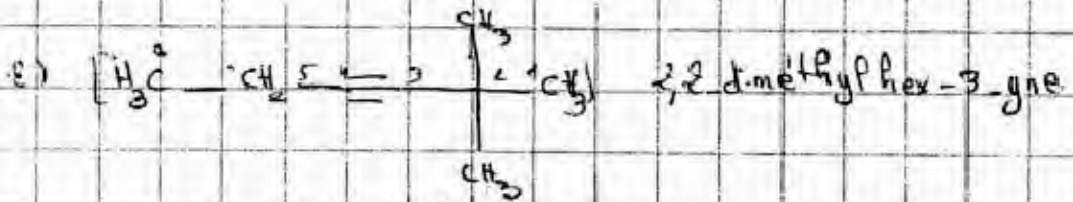
1-bromo-2-chloro-3-iodopropène

6)  1-méthyl-4-(prop-1-èn-2-yl)cyclohexène
limonène

EXQ8



Hex-2-yne



2,2-dimethylhex-3-yne



3-propylhept-1,6-diyne



4-butyl-4-propyldec-2-yne



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